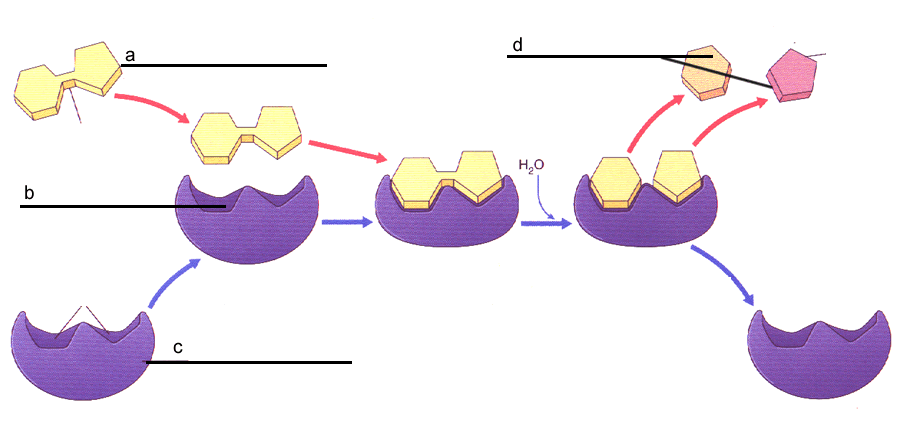
Week 23 Bio Warmups

Listed below are the 5 statements about organic compounds. Choose the term listed in parentheses that will correctly complete the sentence.

|  |  |
| --- | --- |
| 1. | One example of a complex carbohydrate is a (**monosaccharide, polysaccharide**) |
| 2. | The monomers of proteins are (**amino acids, fatty acids**). |
| 3. | All organic compounds contain (**nitrogen, carbon**). |
| 4. | Enzymes are catalysts and (**proteins, carbohydrates**). |
| 5. | The part of a chemical reaction that is written before the arrow is called the (**reactant, product**). |



Correctly label items a, b, c, and d in the diagram above with the following terms.

1. Enzyme
2. Product(s)
3. Reactant(s)
4. Active Site

Match each function with the correct carbon compound.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | help keep body healthy (i.e. antibodies) | a. | carbohydrates |
| 2. | pass on genetic information | b. | proteins |
| 3. | provide structure and support for plants (i.e. cellulose) | c. | lipids |
| 4. | act as enzymes to speed up reaction rates | d. | nucleic acids |
| 5. | make up waterproof coverings |  |  |
| 6. | body’s primary source of energy |  |  |
| 7. | store energy for future use |  |  |
| 8. | form bones and muscles |  |  |

Match each cell organelle with the correct function.

|  |  |  |  |
| --- | --- | --- | --- |
| 1. | nucleus | a. | provide energy by breaking down food |
| 2. | mitochondria | b. | storage |
| 3. | ribosome | c. | makes proteins |
| 4. | cell membrane | d. | controls cell activities |
| 5. | vacuole | e. | controls what goes in and out of cell |